

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/016,159E
Source: IFW16
Date Processed by STIC: 9-7-05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/07/2005

PATENT APPLICATION: US/09/016,159E

TIME: 14:13:15

Input Set : A:\106-001US2 seq listing.txt

Output Set: N:\CRF4\09072005\I016159E.raw

3 <110> APPLICANT: Lee, Jong Y.
 5 <120> TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR PROTEIN FRAGMENT AND
 6 ANTIBODIES DERIVED THEREFROM
 8 <130> FILE REFERENCE: 106.001US2
 10 <140> CURRENT APPLICATION NUMBER: US 09/016,159E
 11 <141> CURRENT FILING DATE: 1998-01-30
 13 <150> PRIOR APPLICATION NUMBER: US 08/876,227
 14 <151> PRIOR FILING DATE: 1997-06-16
 16 <160> NUMBER OF SEQ ID NOS: 5
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 23
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: BamH1 linker at 5' end followed by sequence for amino acids
 25 through 29 of full length EpoR protein. Forward primer for SEQ
 27 ID NO:2.
 28
 30 <400> SEQUENCE: 1
 31 ttggatccgc gccccgcct aac 23
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 22
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: EcoR1 linker followed by sequence complementary to coding
 41 sequence for amino acids 226 through 222 of full length human
 42 EpoR protein. Reverse primer for SEQ ID NO:1.
 44 <400> SEQUENCE: 2
 45 tgaattcggg gtccaggtcg ct 22
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 18
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Homo sapiens
 53 <300> PUBLICATION INFORMATION:
 54 <301> AUTHORS: Smith, D.B. et al.
 55 <302> TITLE: Single-step purification of polypeptides expressed in Escherichia
 56 coli as fusions with glutathione-S-transferase
 57 <303> JOURNAL: Gene
 58 <304> VOLUME: 67
 59 <306> PAGES: 31-40
 60 <307> DATE: 1998
 62 <300> PUBLICATION INFORMATION:

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63 <301> AUTHORS: Smith, D.B. et al.
64 <302> TITLE: Single-step purification of polypeptides expressed in Escherichia
65 coli as fusions with glutathione-S-transferase
66 <303> JOURNAL: Genes and Development
67 <304> VOLUME: 67
68 <306> PAGES: 31-40
69 <307> DATE: 1998
71 <400> SEQUENCE: 3
72 ctggttccgc gtggatcc
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 1527
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
80 <300> PUBLICATION INFORMATION:
81 <301> AUTHORS: Jones, S.S. et al.
82 <302> TITLE: Human Erythropoietin Receptor: Cloning, expression, and
83 biological characterization
84 <303> JOURNAL: Blood
85 <304> VOLUME: 76
86 <305> ISSUE: 1
87 <306> PAGES: 31-35
88 <307> DATE: 1990-07-01
90 <400> SEQUENCE: 4
91 atggaccacc tcggggcgctc cctctggccc caggteggct ccctttgtct cctgctcget 60
93 ggggccgcct gggcgcccc gcctaacctc ccggacccca agttcgagag caaagcggcc 120
95 ttgctggcgg cccggggggc cgaagagctt ctgtgcttca ccgagcgggt ggaggacttg 180
97 gtgtgtttct gggaggaagc ggcgagcgct ggggtggggc cgggcaacta cagcttctcc 240
99 taccagctcg aggatgagcc atggaagctg tgcgcctgc accaggctcc cacggctcgt 300
101 ggtgcggtg cttctgggtg ttcgctgcct acagccgaca cgtcgagctt cgtgccccta 360
103 gagttgcgag tcacagcagc ctccggcgct ccgcgatatc accgtgtcat ccacatcaat 420
105 gaagtagtgc tcctagacgc ccccggtggg ctggtggcgc ggttggctga cgagagcggc 480
107 cacgtagtgt tgcgctggct cccgccgcct gagacacca tgacgtctca catccgtac 540
109 gaggtggacg tctcggccgg caacggcgca gggagcgtag agagggtgga gatcctggag 600
111 ggccgcaccg agtgtgtgct gagcaacctg cggggccgga cgcgctacac cttcgccgctc 660
113 cgcgcgcgta tggctgagcc gagcttcggc ggcttctgga gcgcctggtc ggagcctgtg 720
115 tcgctgctga cgcctagcga cctggacccc ctcatcctga cgctctccct catcctcgtg 780
117 gtcacctctg tgctgctgac cgtgctcgcg ctgctctccc accgccgggc tctgaagcag 840
119 aagatctggc ctggcatccc gagcccagag agcagagttg aaggcctctt caccacccac 900
121 aagggtaaact tccagctgtg gctgtaccag aatgatggct gcctgtgggt gagcccctgc 960
123 acccccttca cggaggaccc acctgcttcc ctggaagtcc tctcagagcg ctgctggggg 1020
125 acgatgcagg cagtggagcc ggggacagat gatgagggcc ccctgctgga gccagtgggc 1080
127 agtgagcatg cccaggatac ctatctgggt ctggacaaat ggttgcctgc ccggaacccg 1140
129 cccagtgagg acctcccagg gcctggtggc agtgtggaca tagtggccat ggatgaaggc 1200
131 tcagaagcat cctcctgctc atctgctttg gcctcgaagc ccagcccaga gggagcctct 1260
133 ctgctcagct ttgagtacac tatcctggac cccagctccc agctcttgcg tccatggaca 1320
135 cgtgcccctg agctgcccc taccacccac cacctaaagt acctgtacct tgtggtatct 1380
137 gactctggca tctcaactga ctacagctca ggggactccc agggagccca agggggctta 1440
139 tccgatggcc cctactccaa cccttatgag aacagcctta tcccagccgc tgagcctctg 1500
141 ccccccagct atgtggcttg ctcttag

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144 <210> SEQ ID NO: 5
145 <211> LENGTH: 508
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens
149 <300> PUBLICATION INFORMATION:
150 <301> AUTHORS: Jones, S.S. et al.
151 <302> TITLE: Human Erythropoietin Receptor: Cloning, expression, and
152     biological characterization
153 <303> JOURNAL: Blood
154 <304> VOLUME: 76
155 <305> ISSUE: 1
156 <306> PAGES: 31-35
157 <307> DATE: 1990-07-01
159 <400> SEQUENCE: 5
161 Met Asp His Leu Gly Ala Ser Leu Trp Pro Gln Val Gly Ser Leu Cys
162 1          5          10          15
165 Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
166          20          25          30
169 Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
170          35          40          45
173 Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
174          50          55          60
177 Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
178 65          70          75          80
181 Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
182          85          90          95
185 Pro Thr Ala Arg Gly Ala Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
186          100         105         110
189 Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
190          115         120         125
193 Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
194          130         135         140
197 Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly
198 145         150         155         160
201 His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
202          165         170         175
205 His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser
206          180         185         190
209 Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser
210          195         200         205
213 Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met
214          210         215         220
217 Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val
218 225         230         235         240
221 Ser Leu Leu Thr Pro Ser Asp Leu Asp Pro Leu Ile Leu Thr Leu Ser
222          245         250         255
225 Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu
226          260         265         270
229 Ser His Arg Arg Ala Leu Lys Gln Lys Ile Trp Pro Gly Ile Pro Ser

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230          275          280          285
233 Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe
234          290          295          300
237 Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys
238 305          310          315          320
241 Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu
242          325          330          335
245 Arg Cys Trp Gly Thr Met Gln Ala Val Glu Pro Gly Thr Asp Asp Glu
246          340          345          350
249 Gly Pro Leu Leu Glu Pro Val Gly Ser Glu His Ala Gln Asp Thr Tyr
250          355          360          365
253 Leu Val Leu Asp Lys Trp Leu Leu Pro Arg Asn Pro Pro Ser Glu Asp
254          370          375          380
257 Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly
258 385          390          395          400
261 Ser Glu Ala Ser Ser Cys Ser Ser Ala Leu Ala Ser Lys Pro Ser Pro
262          405          410          415
265 Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
266          420          425          430
269 Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr
270          435          440          445
273 Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
274          450          455          460
277 Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu
278 465          470          475          480
281 Ser Asp Gly Pro Tyr Ser Asn Pro Tyr Glu Asn Ser Leu Ile Pro Ala
282          485          490          495
285 Ala Glu Pro Leu Pro Pro Ser Tyr Val Ala Cys Ser
286          500          505

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/07/2005
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY

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